

MF Eco machine Certification System Registry (Sheet Metal Forming Machines) gistered: May 14, 2009

Revised: December 11, 2012

Revised: December 1, 2015

Revised: December 4, 2018

Revised: December 10, 2021

Criteria revised: Jun. 21, 2024

Revised: December 6, 2024

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|------------------------------------|---|--|--|----------------------------------|--|
| Certification number | | MF-B006 Mechanical Servo Brake | | Product Scope | Press Brake PAS5012NET, PAS5020NET |
| Registered company | | Komatsu Industries Corp. | | Certified Product | PAS5012NET, PAS5020NET |
| Criteria-based product(production) | | PHS50×125 (May, 2000), PHS50×200 (Jan, 2002) | | | |
| Requirements & environment factors | | Evaluation item | Criteria | Evaluation result and/or remarks | |
| (1) Essential requirement | | | | PAS3512 vs PHS35×125 | PAS5020 vs PHS50×200 |
| Energy saving | Energy consumption | Reduction ratio | 25% or more reduced | 77% | 77% |
| | | | | based on JFMA criteria | |
| (2) Selective requirement | | | | PAS3512 vs PHS35×125 | PAS5020 vs PHS50×200 |
| Resources saving | Shrinkage of space/items | Number of air/hydraulic pressure parts | 10% or more reduced | X | |
| | Operating oil | Consumption volume | 10% or more reduced | X | |
| Environment conservation | Safety | Safety standard | Applicable set standard | X | |
| Minimum selective requirement | | 3 items or more | | 3 items | |
| (3) Recommendation requirement | | Names of equipped | Summary of effects on environmental burden reduction | | |
| Environment factor | Energy saving, durability, long life, display/management of environment info., vibration/noise, emission (atmosphere, soil) | AC servo drive | Adoption of servo mechanism enables reduction of oil consumption volume and energy saving. | | |
| | | Ram watch function | work environment safety is enhanced. | | |
| | | LCD indicator | Reduction of power consumption | | |
| | | Extension adjustment bracket | Reduction of defective products lead to the resources saving.. | | |
| | | Double-action foot pedal | Work environment safety is enhanced. | | |
| Minimum recommendation requirement | | 3 items or more | | 5 items | |

Note: